

HOUSEHOLD TRANSPORT FLOWS

WA Employees/HH from "Demog By Zone.ULC.xls" file, worksheet "1998 Zone data"

	All Industries	Ag	Mining	Constr	manufacturi	TCPU	Wholesale	Retail	FIRE	Services	Gov't
WA Employees (4):	2,910,212	122,398	3,380	155,869	407,455	145,334	163,227	506,920	143,288	761,001	501,340

	HHInc1	HHInc2	HHInc3	HHInc4
WA Households (4): Total HH	2,472,496	640,496	544,471	692,507
		595,022		

CCC Flow	Person Trips/HH		Total Trips Daily	Person Trips/Employee Daily	
	Annual (1)	Daily (2)			
1 Commute	676	2.551	6,307,197	NA	
2 Shopping	775	2.123	5,249,820	10.356	per retail employee
4 vfr	314	0.860	2,127,024	NA	
3 rec/other (pop attracted)	983	2.693	6,658,804	8.750	per service employee
8 services (3)	1060	4.000	9,889,983	7.036	per FIRE+Services+Govt' employees
9 biz promo (3)	20	0.075	186,603	0.068	per all non-construction employees
Total	3828	14.445	35,715,901		
split of rec/other					
50% population generated	491.5	1.347	3,329,402		
50% service generated	491.5	1.347	3,329,402	4.375	per service employee
		2.207			

Not used in UFP, use later to scale trips???

96% retail employees (non-export) serving Households (5)

54% service employees (non-export) serving other businesses (non-Househ
24.05 per inter-biz service employees

<<use later to scale size of factor 16 (ULC[x] exogenous and ULA [x] calc changes in future time periods)
combined vfr+pop-generated soc-rec trips per HH, used in ULC MEPLAN coefficients for soc-rec (factor 16) for HH (factors 11-14) - ULP[3]

(1) 95 NPTS - US annual person trip rates per HH

(2) Assumes daily = Annual/265 for biz trips (flows 8,9) and = Annual/365 for freight (flows 5-7,10,11) and non-biz trips (flows 1,2,3,4)

(3) Services/Biz promo assumed 80%/20% split of NPTS "Work Related Business" category, services also includes personal service categories (980 trips) of "Doctor/Dentist" and "Other Family Business."

(4) WA HH/Employee data from "summary socio-econ.xls" file

(5) From IO Processing.xls, "MEPLAN Coefficient Calculation" worksheet

95 NPTS - Raw Data

	Annual Person Trips
Earn a Living	
To or from Work	676
Work Related Business	100
Family & Personal Biz	
Shopping	775
Doctor/Dentist	56
Other Family Biz	924
School & Church	337
Social & Recreational	
Vacation	8
Visiting Friends/Family	314
Other Social/Rec	631
Misc	
Other	6
Purpose not reported	1
TOTAL 1/	3828

rec/other

983 TOTAL rec/other

50% pop-attracted rec/other (34% church/school, + share of vaca/other/misc)

50% service-attracted rec/other

rec/other

rec/other

rec/other

rec/other

rec/other

rec/other

1/ Includes unreported person trips

olds) (5)